

**Abstract**

**Cooling device for electrical power units of electrically operated vehicles**

[0026] The invention relates to a cooling device for an electrical power unit (1) of electrically operated vehicles, comprising at least one power section (3) and at least one control section (2) and also a cooling circuit containing a coolant and a heat exchanger for cooling the power unit (1), wherein a first cooling circuit (11) containing a heat exchanger (9) with a low coolant temperature is provided mainly for cooling elements of the control sections (2), and a further cooling circuit (12) with a higher coolant temperature is provided mainly for cooling elements of the power sections (3).

(Fig. 1)